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Atty. Dkt. No. 043034-0163



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yoshihiko SUEMURA
Title: SWITCHING SYSTEM AND SCRAMBLE
CONTROL METHOD
Appl. No.: 09/742,236
Filing Date: 12/22/2000
Examiner: Unassigned
Art Unit: 2182

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TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal drawings (23 sheets, Figures 1-25) for the above-identified application. The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

Date July 30, 2002

FOLEY & LARDNER
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

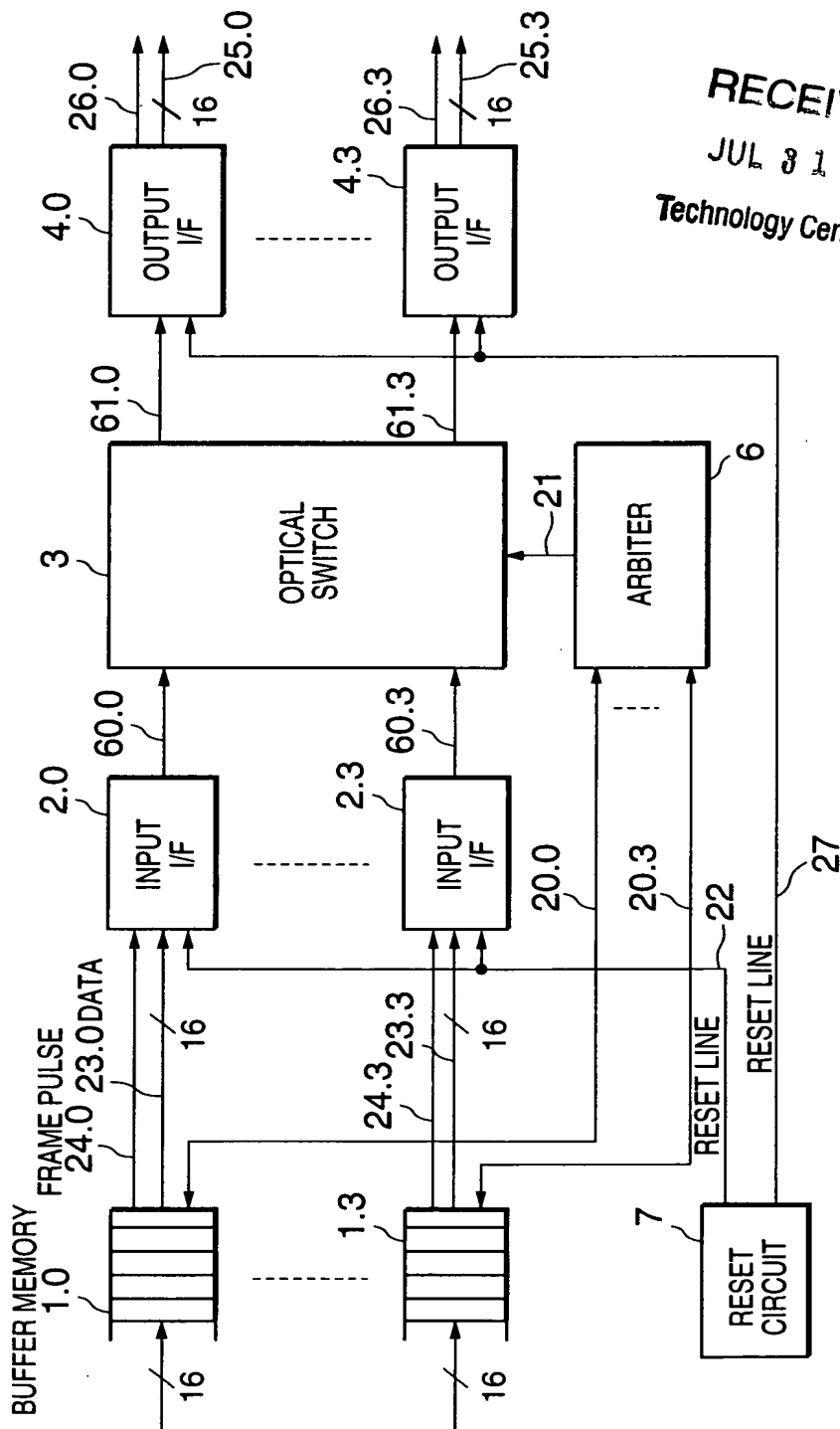
Telephone: (202) 672-5407

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By David A. Blumenthal
for David A. Blumenthal
Attorney for Applicant
Registration No. 26,257
Reg # 41,398



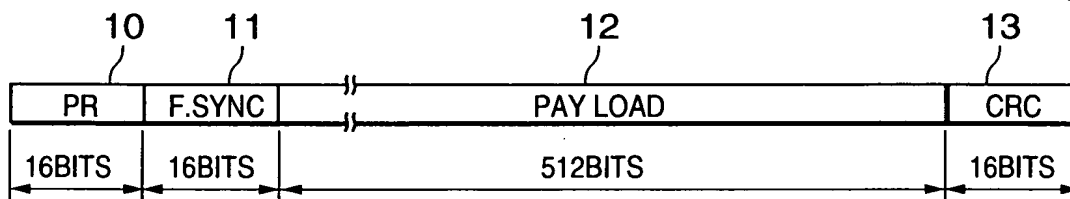
FIG. 1



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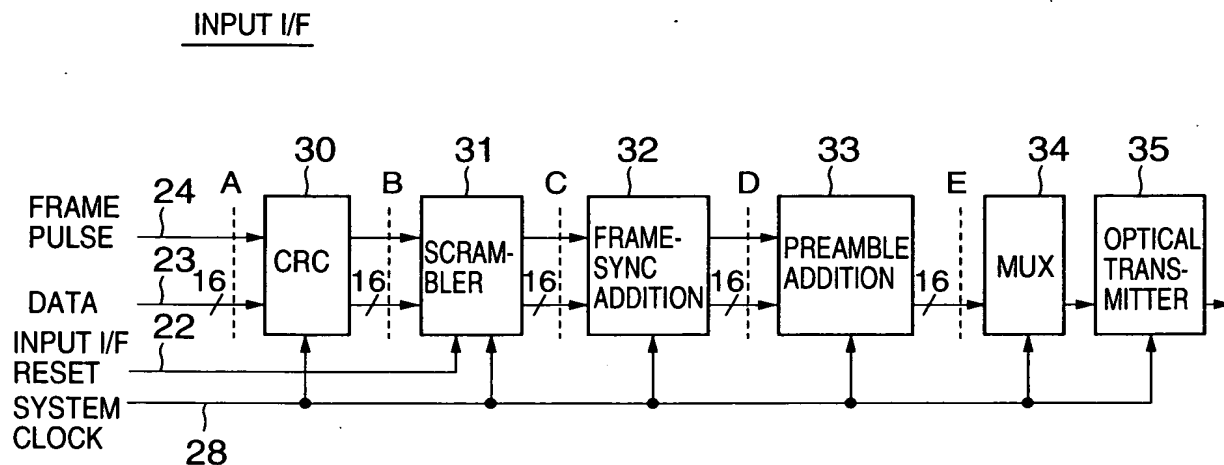


FIG. 2



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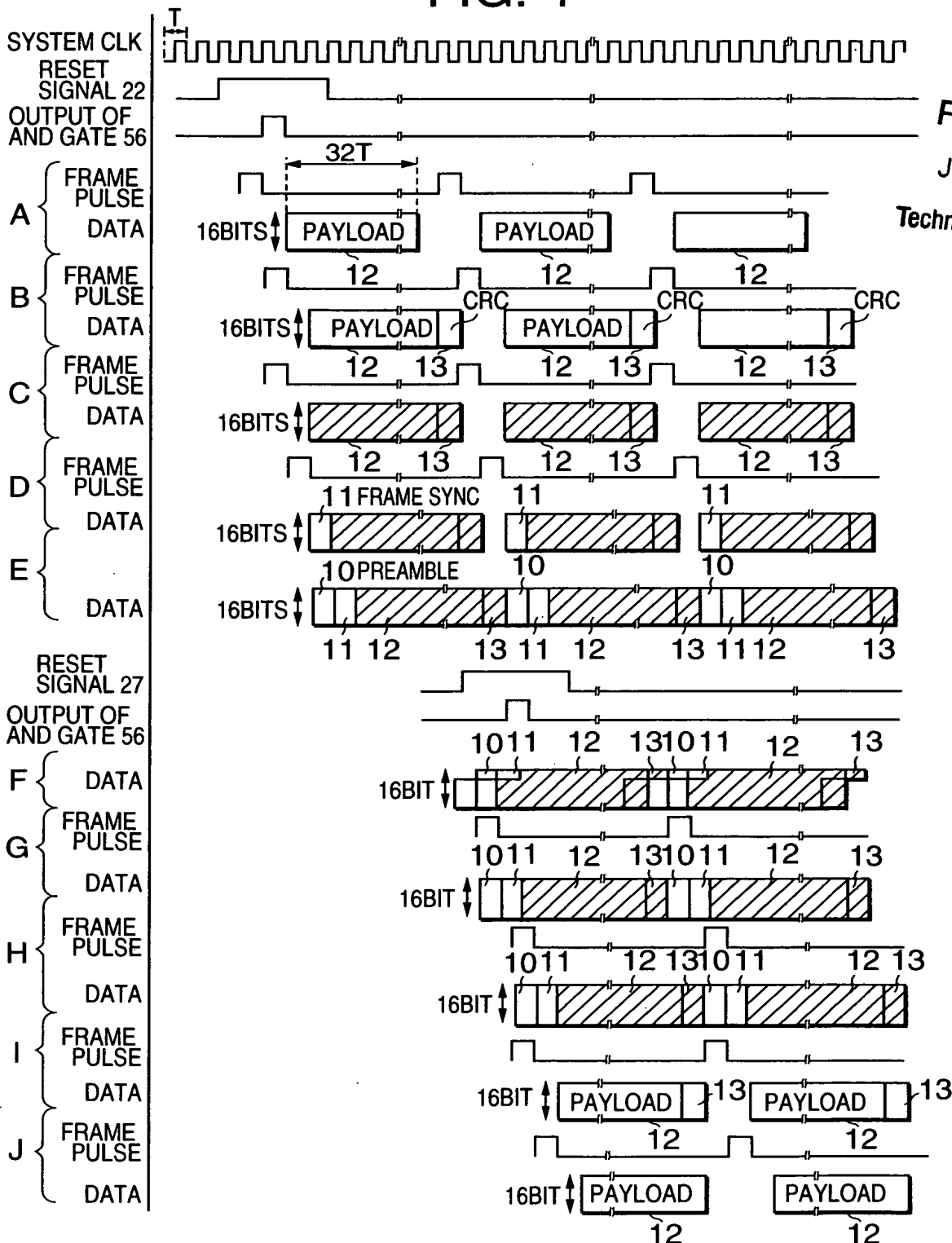
FIG. 3





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FIG. 4



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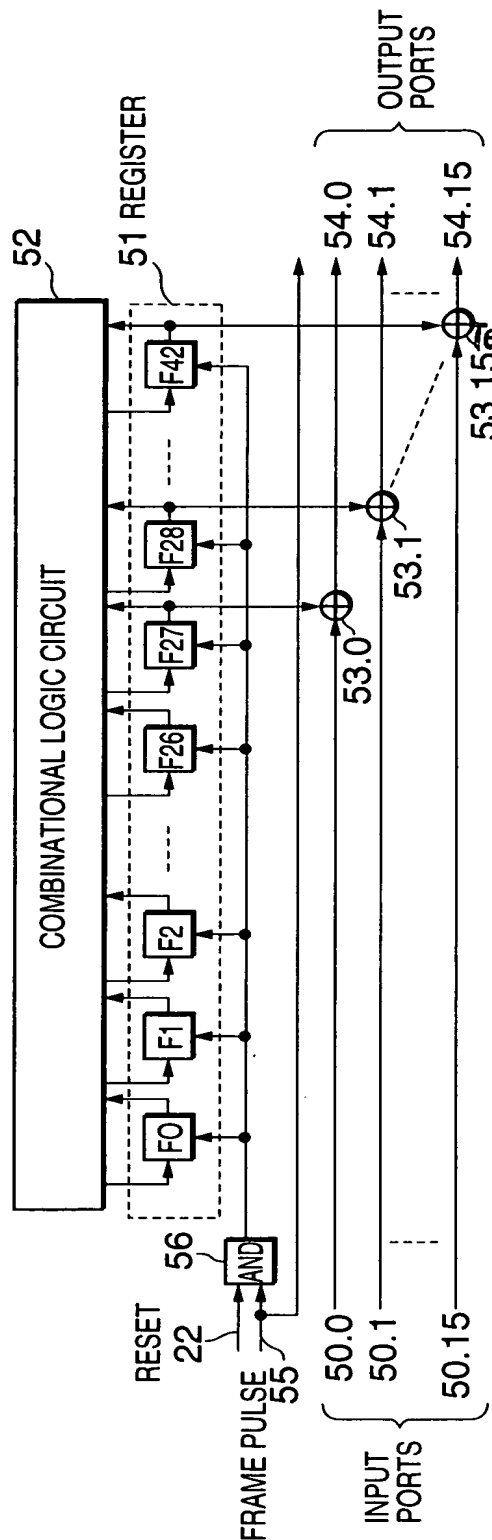
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FIG. 5

SCRAMBLER



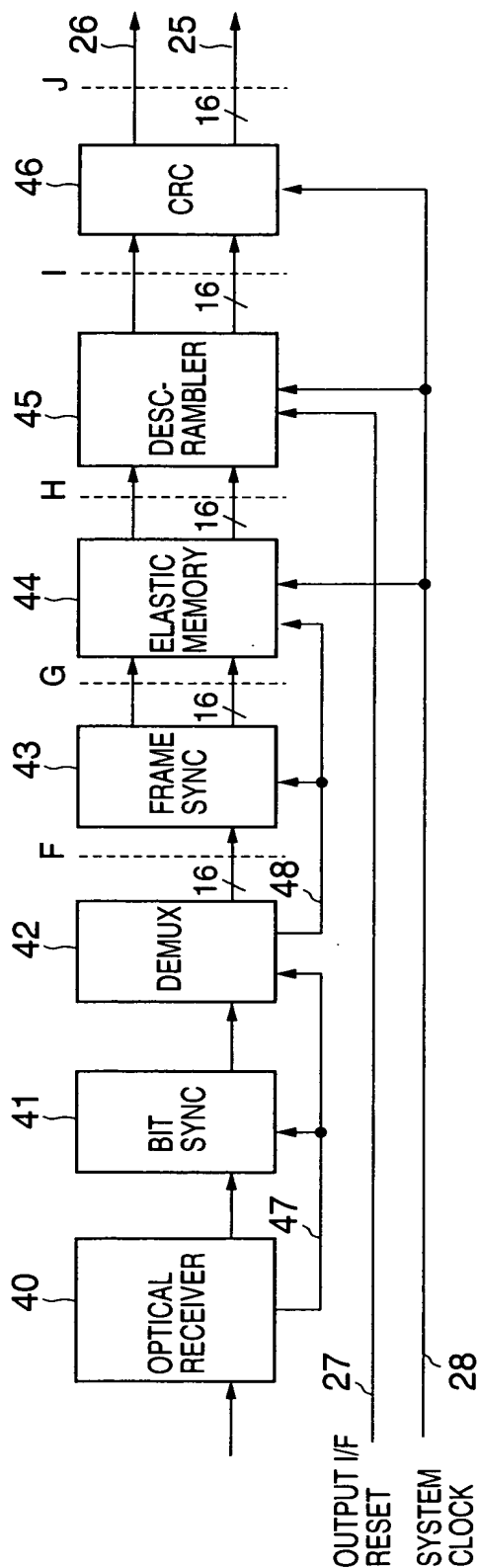
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FIG. 6

OUTPUT I/F



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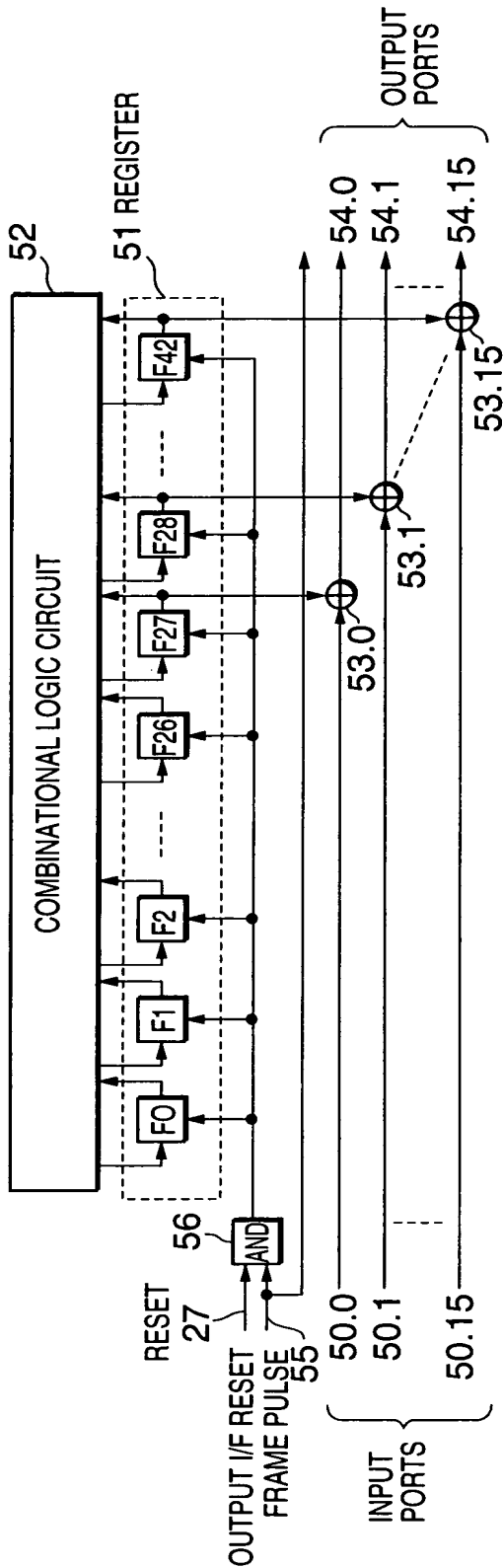
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FIG. 7

DESCRAMBLER



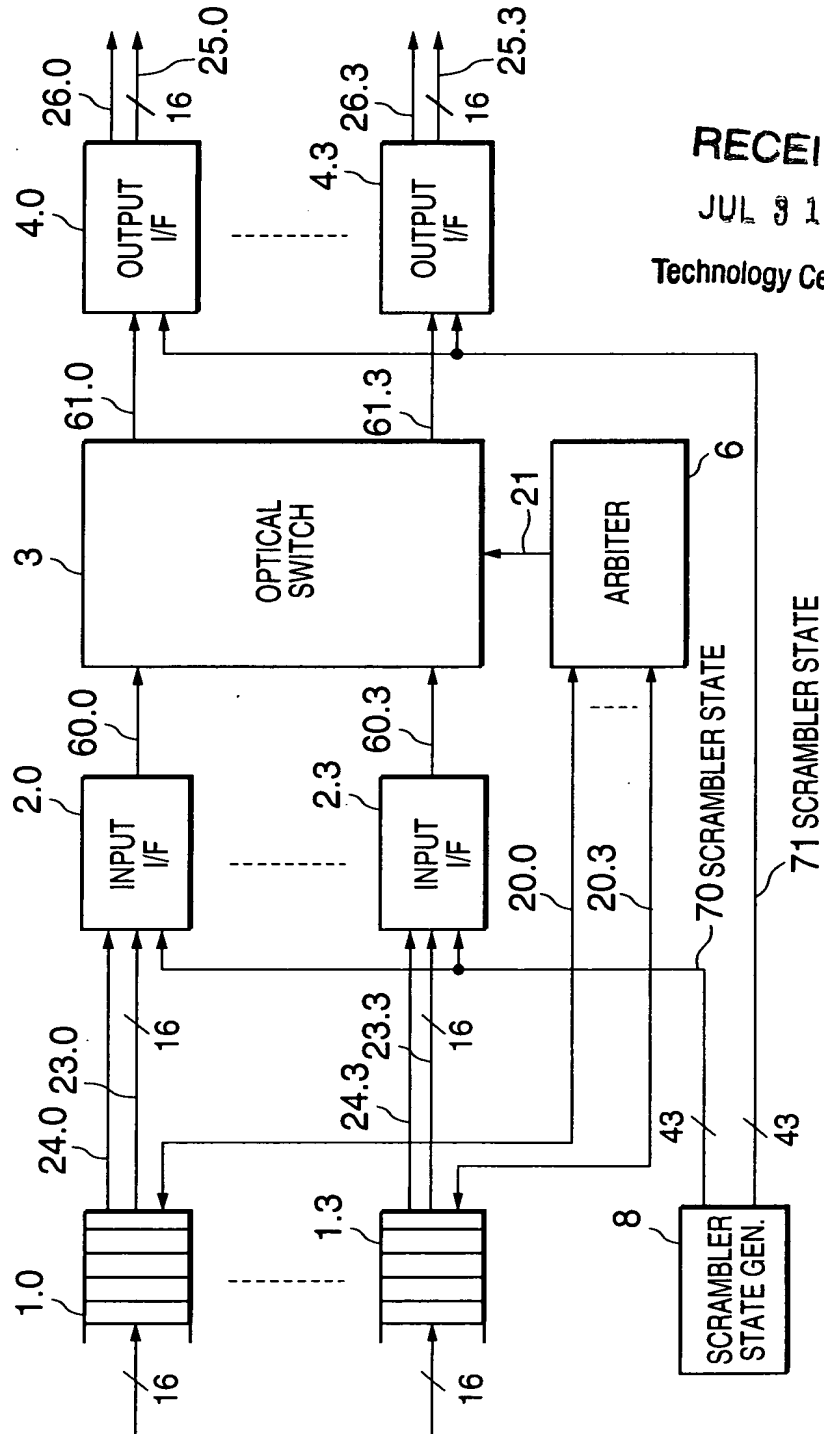
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FIG. 8



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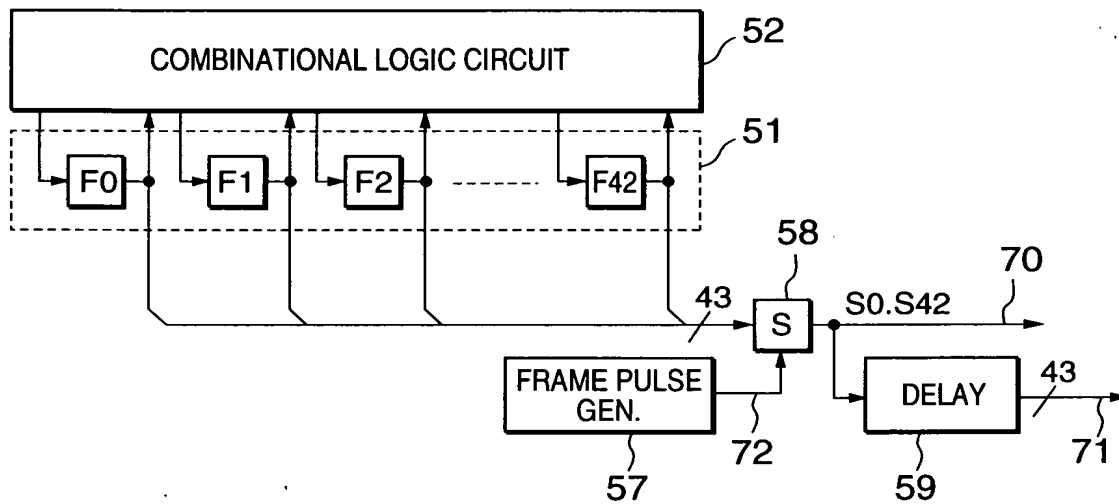
FIG. 9

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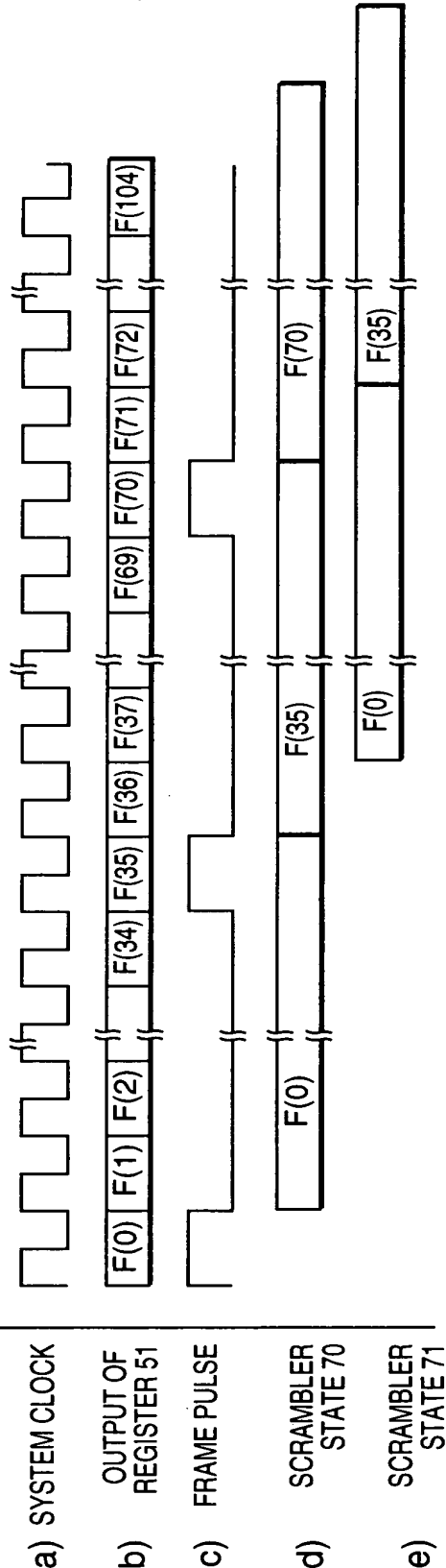
SCRAMBLER STATE GENERATOR





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FIG. 10

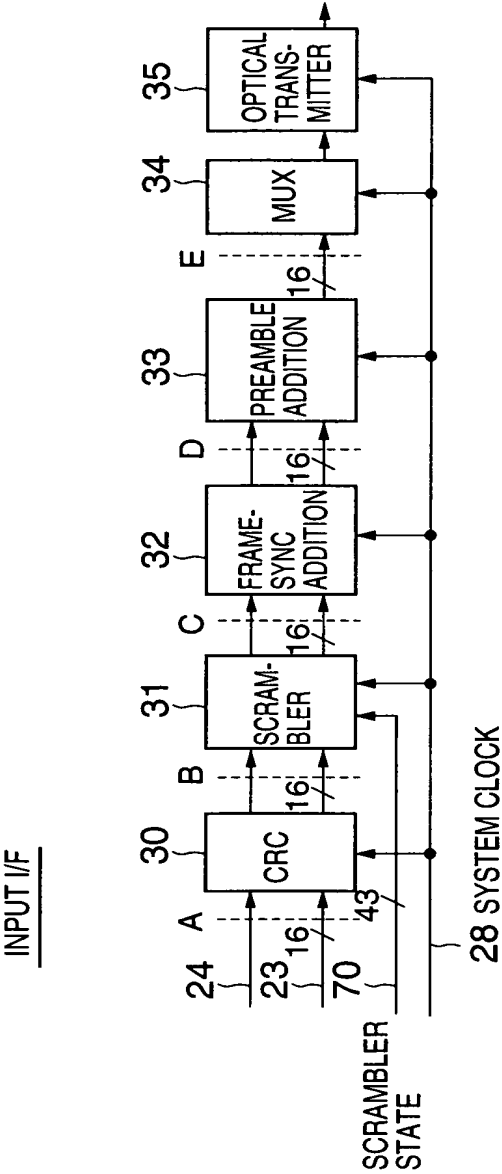


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FIG. 11

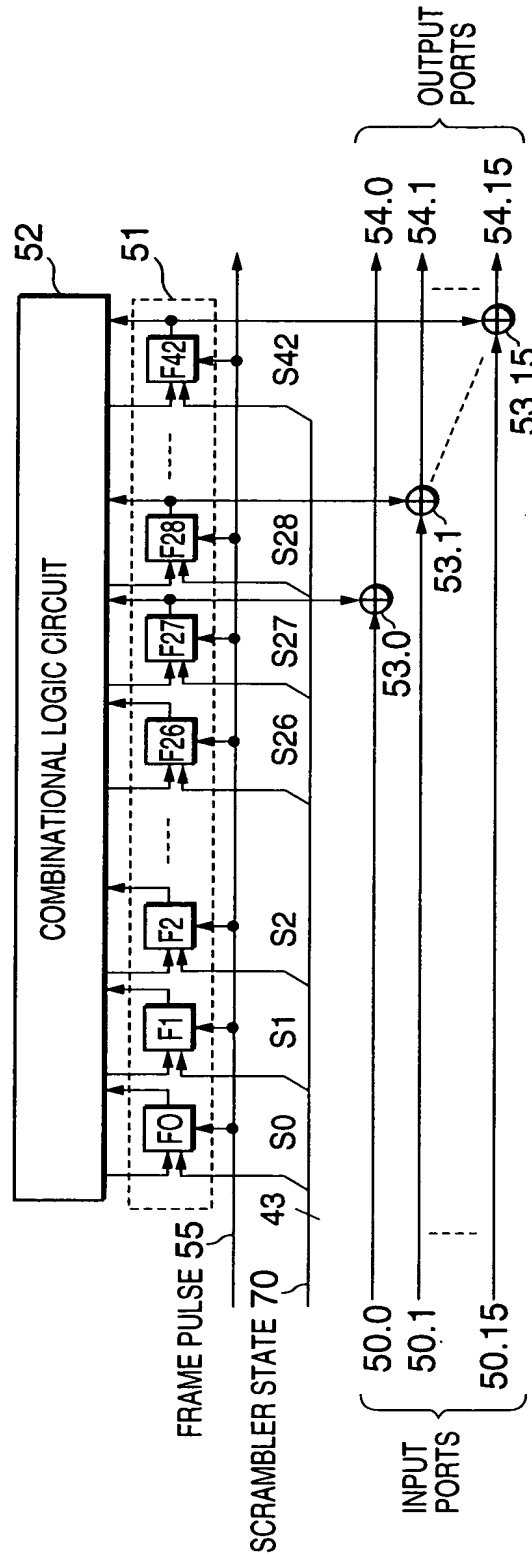


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FIG. 12

SCRAMBLER

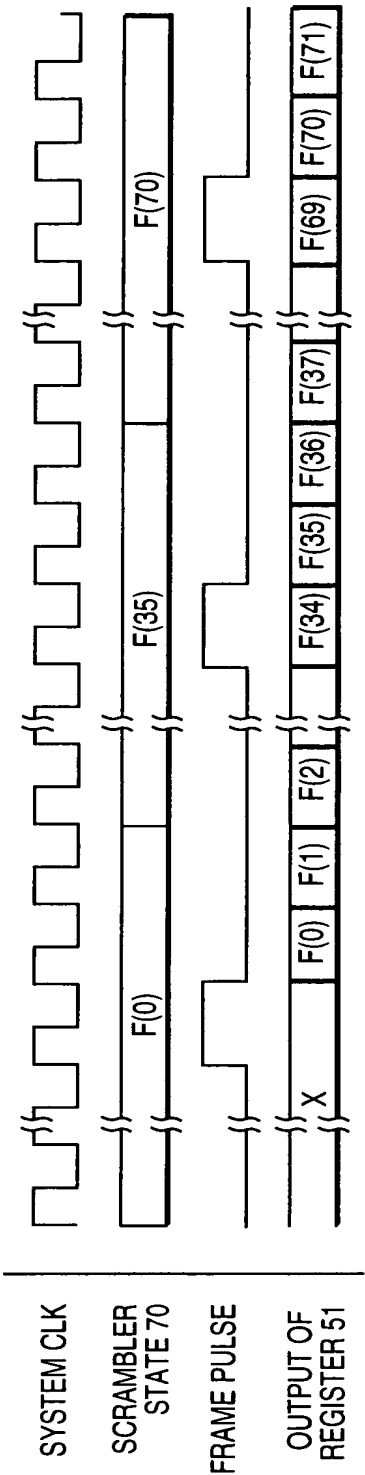


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FIG. 13

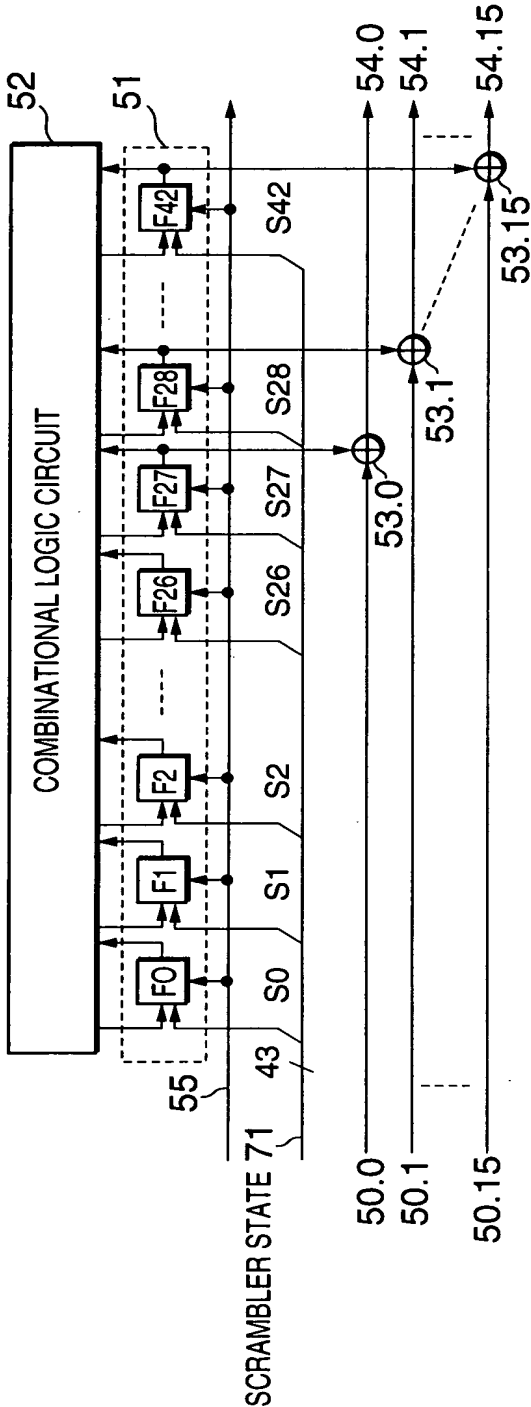


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FIG. 15

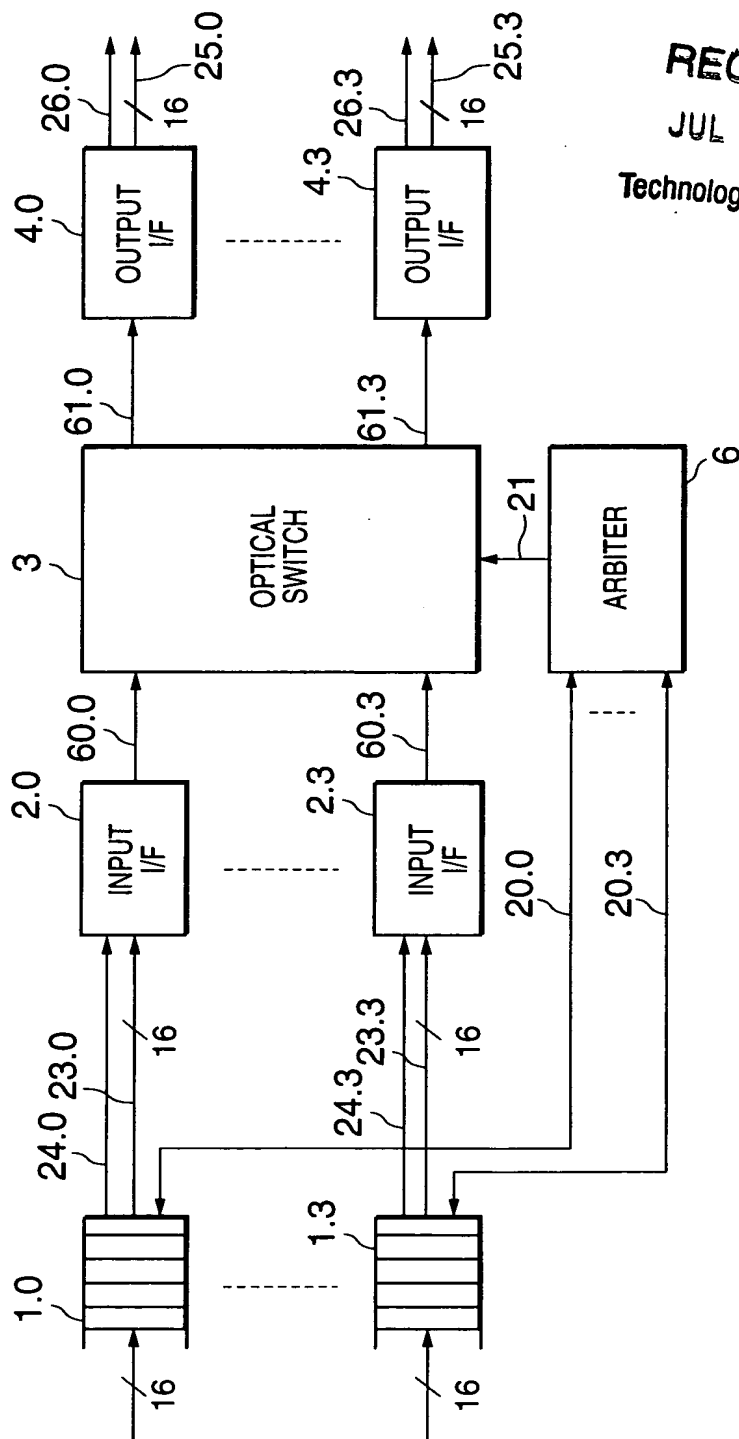
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FIG. 16



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FIG. 17

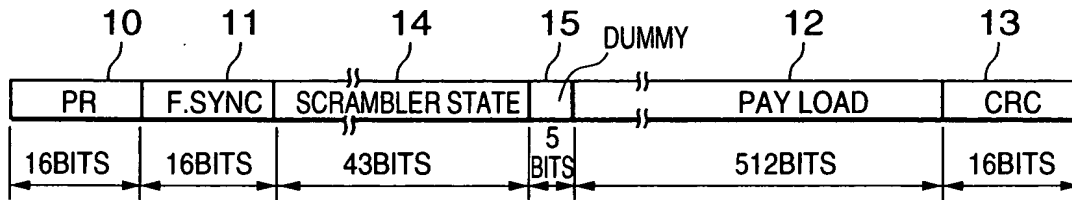
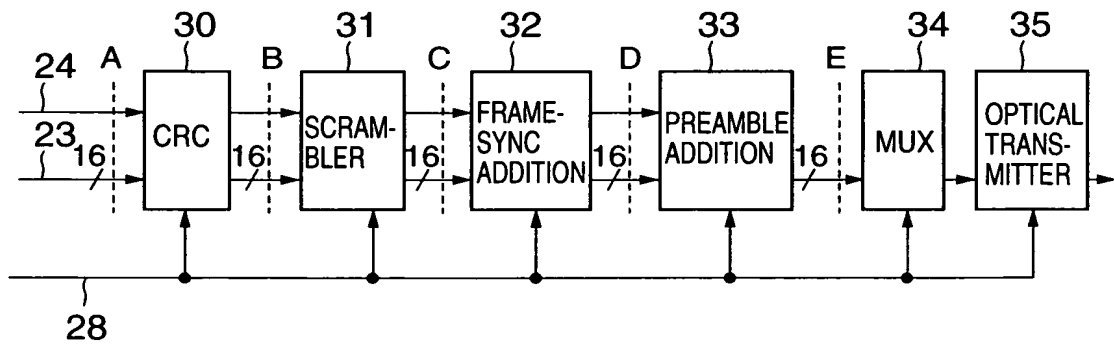


FIG. 18





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FIG. 19

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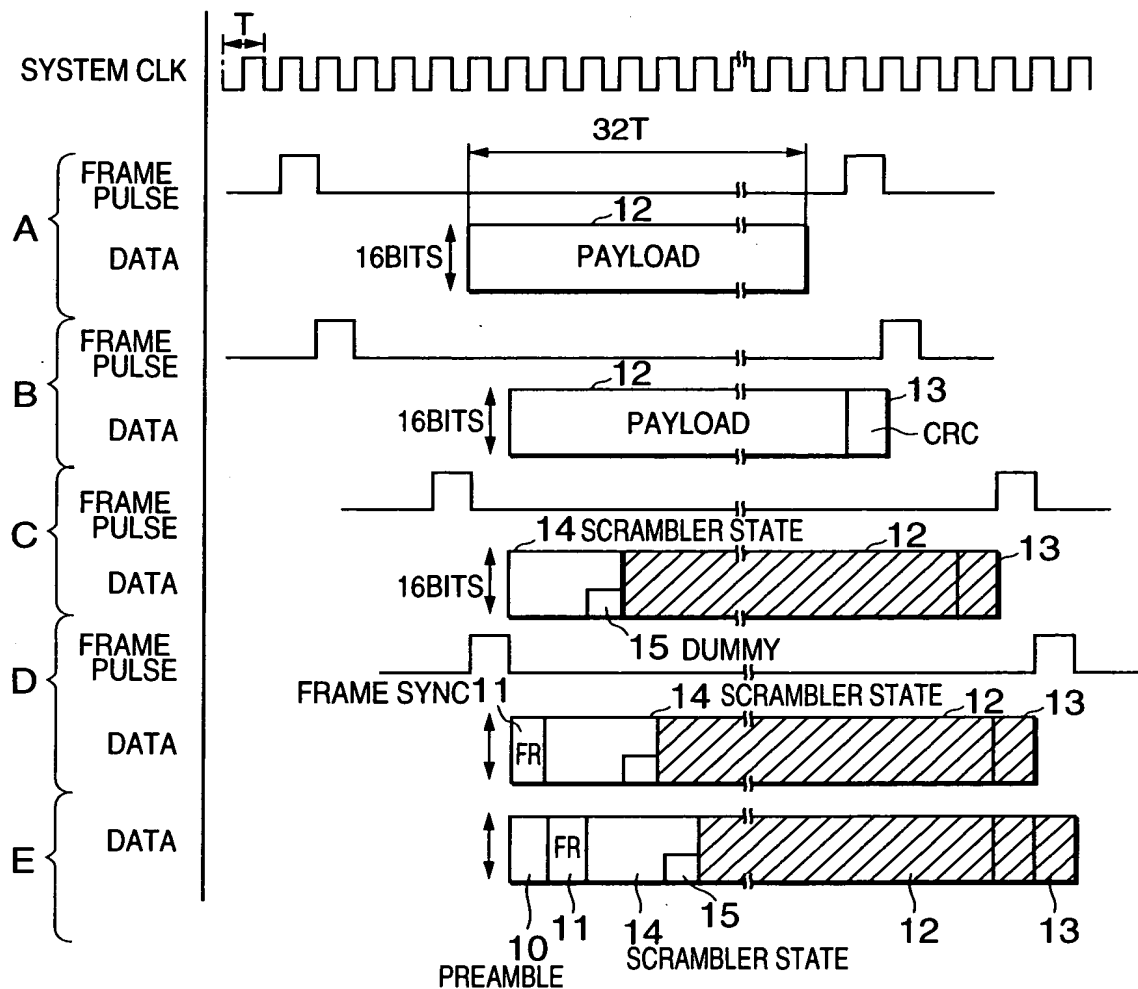
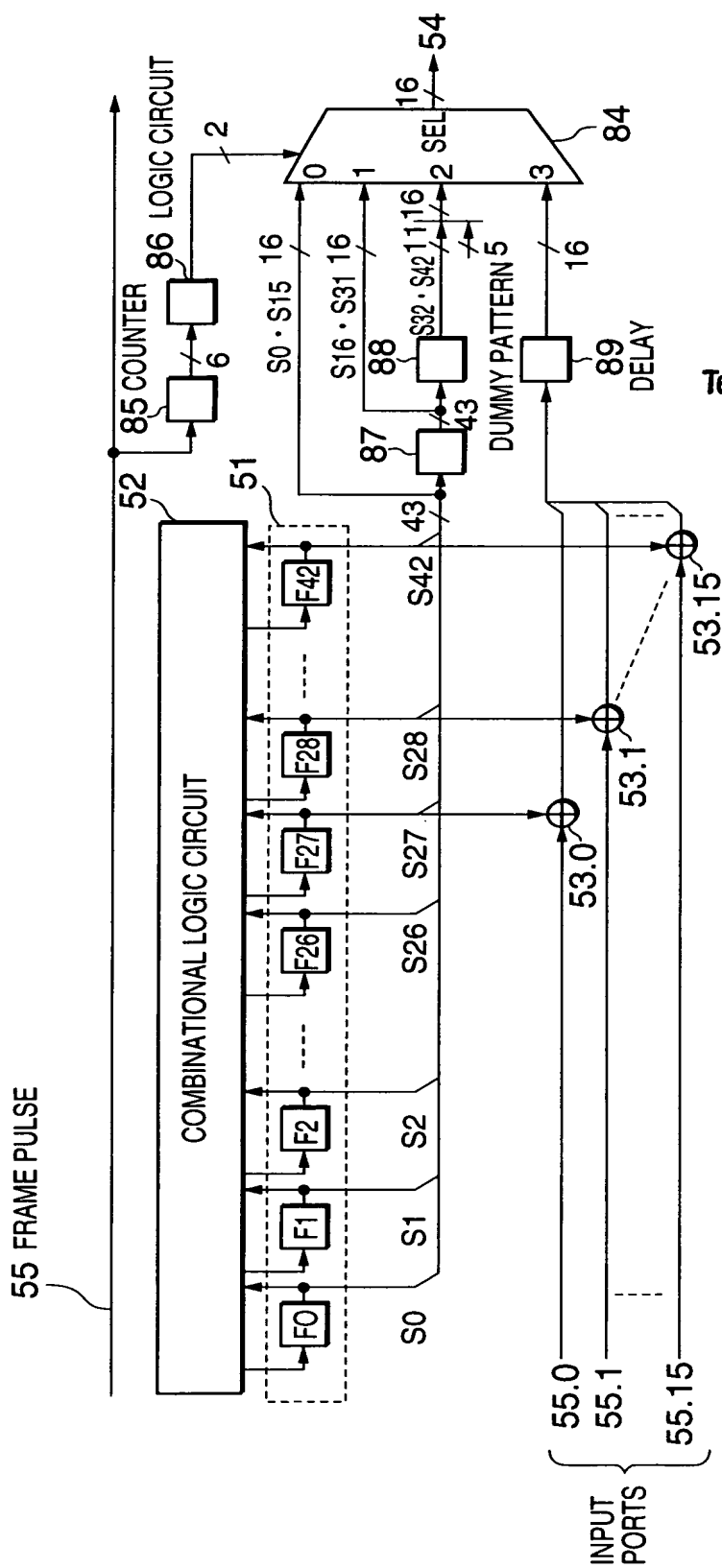




FIG. 20



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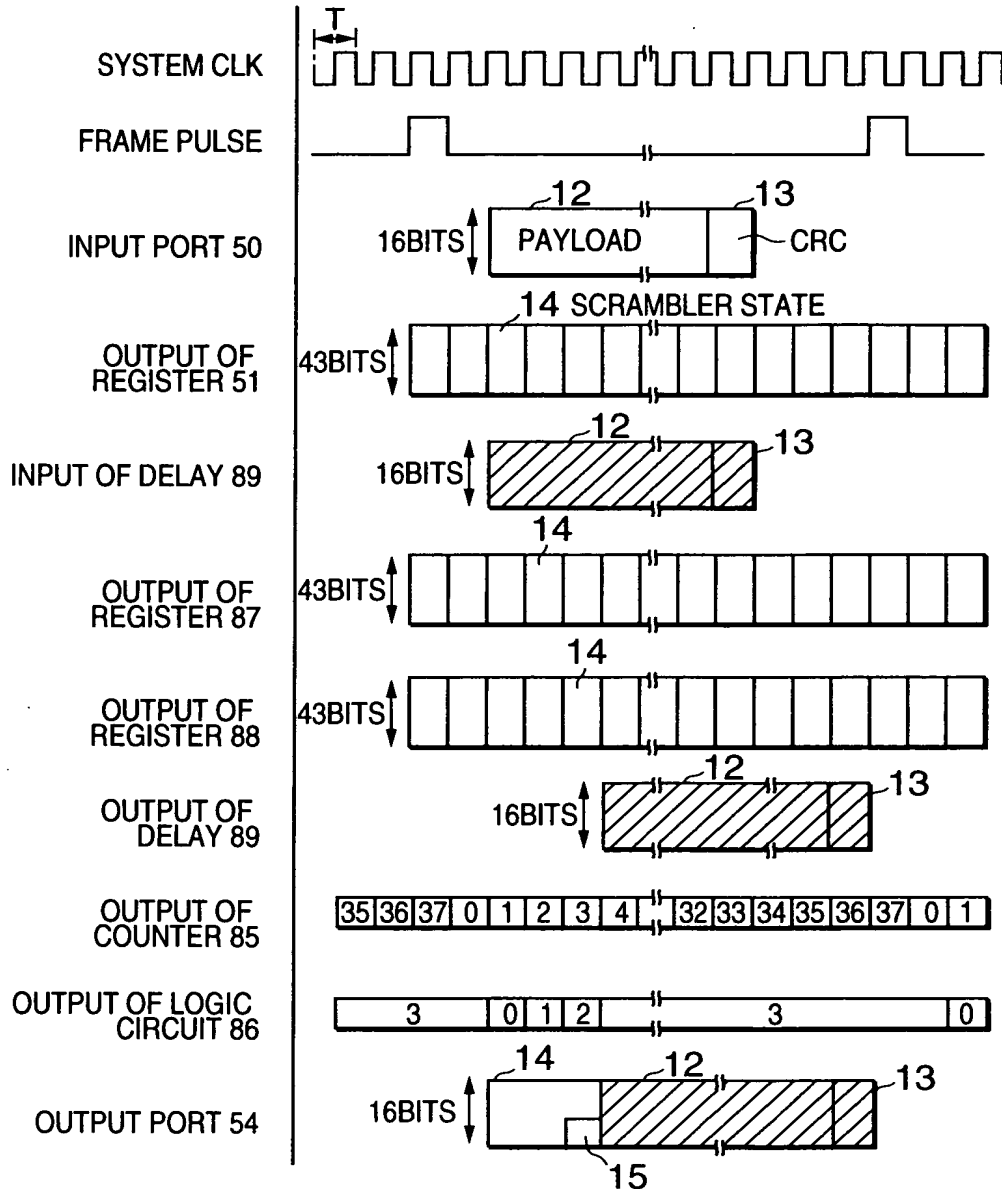
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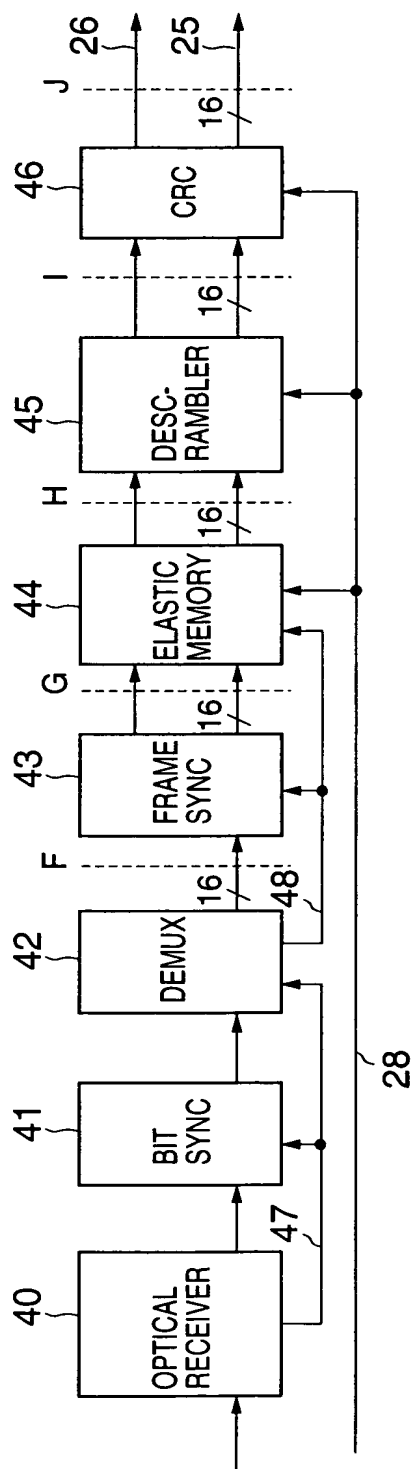
FIG. 21





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FIG. 22



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FIG. 23

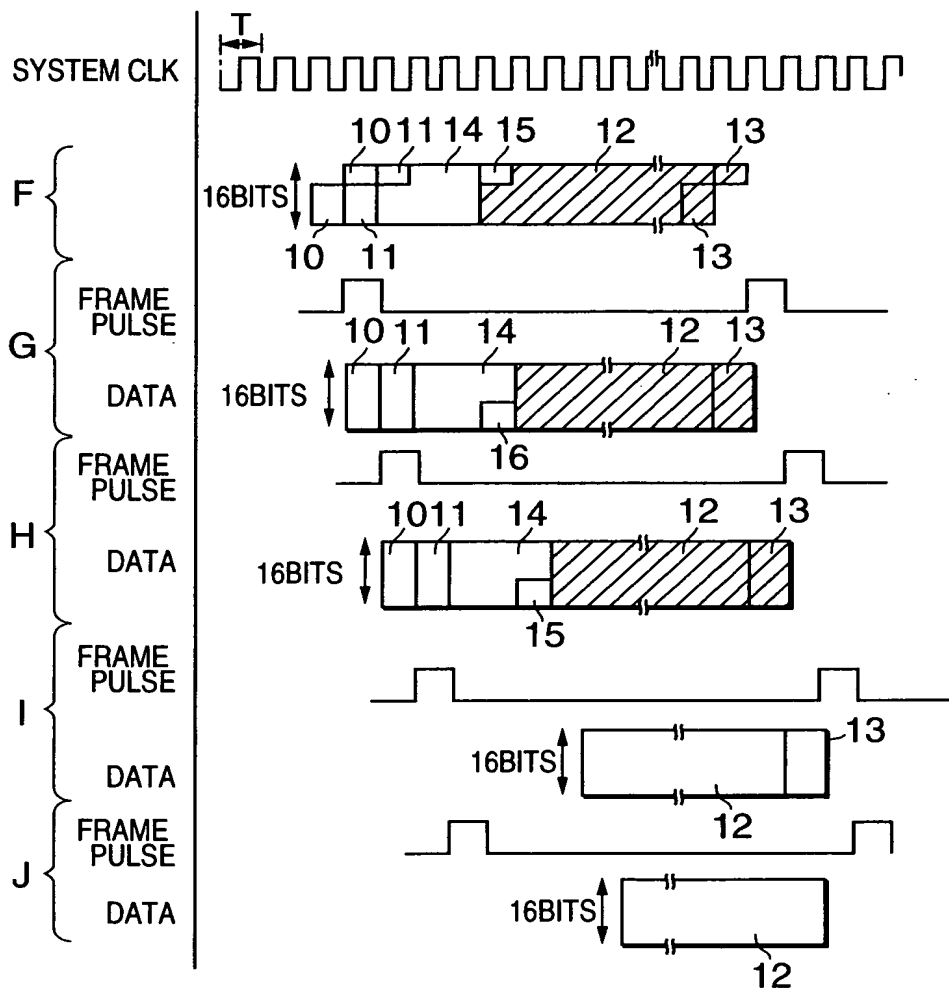
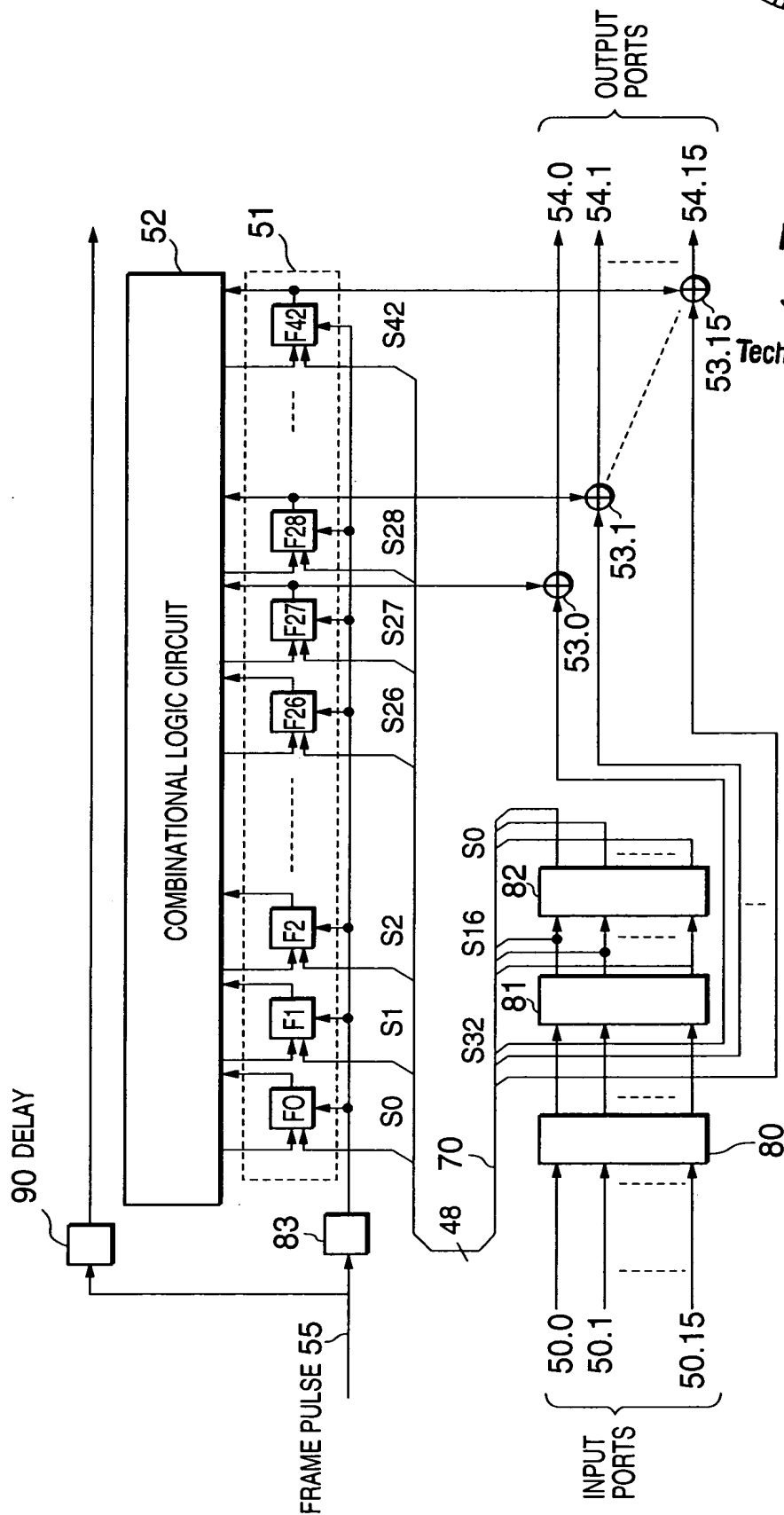


FIG. 24





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FIG. 25

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